

# Stannane, chlorotrimethyl-

<b>Other names:</b>	Chlorotrimethylstannane Chlorotrimethyltin M&T Chemicals 1222-45 Trimethylchlorostannane Trimethylchlorotin Trimethylstannyl chloride Trimethyltin chloride (CH <sub>3</sub> ) <sub>3</sub> SnCl Stannylium, trimethyl-, chloride Tin(+), trimethyl-, chloride Trimethyltin monochloride NSC 12088 NSC 92613
<b>Inchi:</b>	InChI=1S/3CH3.ClH.Sn/h3*1H3;1H;/q;;;+1/p-1
<b>InchiKey:</b>	KWTSZCJMWHGPOS-UHFFFAOYSA-M
<b>Formula:</b>	C <sub>3</sub> H <sub>9</sub> ClSn
<b>SMILES:</b>	C[Sn](C)(C)Cl
<b>Mol. weight [g/mol]:</b>	199.27
<b>CAS:</b>	1066-45-1

## Physical Properties

Property code	Value	Unit	Source
hf	-195.40	kJ/mol	NIST Webbook
hfl	-212.50 ± 7.10	kJ/mol	NIST Webbook
hfs	-245.60 ± 4.10	kJ/mol	NIST Webbook
hsub	50.20	kJ/mol	NIST Webbook
ie	9.90	eV	NIST Webbook
ie	10.16	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1066451&Units=SI>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfl:</b>	Liquid phase enthalpy of formation at standard conditions
<b>hfs:</b>	Solid phase enthalpy of formation at standard conditions
<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>ie:</b>	Ionization energy

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